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TITLE : HYDROGEN STORAGE METHOD

ABSTRACT : PROBLEM TO BE SOLVED: To provide an effective hydrogen storage method adaptable for an automobile.

SOLUTION: Hydrogen is adsorbed and occluded under cooling and pressing in a porous carbonaceous material with a coating film of a metal or alloy having function to dissociate hydrogen molecules into hydrogen atoms on the surface. Activated carbon, Fullerene, a carbon nanotube or a mixture of two or more of them is preferably used as the porous carbonaceous material. Platinum, palladium or a hydrogen storage alloy is preferably used as the metal or alloy having function to dissociate hydrogen molecules into hydrogen atoms.

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